



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

SCIENCE

FRIDAY, NOVEMBER 13, 1914

THE NATURE AND PURPOSE OF EDUCATION¹

CONTENTS

<i>The Nature and Purpose of Education:</i> PROFESSOR VICTOR C. VAUGHAN	685
<i>The Uses for Mathematics:</i> DR. SAMUEL G. BARTON	697
<i>The Late William Saunders:</i> DR. FRANK T. SHUTT	700
<i>The Museum of Vertebrate Zoology of the University of California:</i> DR. C. HART MERIAM	703
<i>Scientific Notes and News</i>	704
<i>University and Educational News</i>	707
<i>Discussion and Correspondence:—</i>	
<i>Sunflower Problems:</i> PROFESSOR T. D. A. COCKERELL. <i>X-ray Diffraction Patterns:</i> DR. W. W. STRONG. <i>A New Method of Preparing Spiders for Exhibition in Museum Groups:</i> IGNAZ MATAUSCH	708
<i>Scientific Books:—</i>	
<i>Daly on Igneous Rocks and their Origin:</i> DR. J. P. IDINGS. <i>Smith on Bacteria in relation to Plant Diseases:</i> PROFESSOR CHARLES E. BESSEY. <i>Savage on the Bacteriological Examination of Food and Water:</i> PROFESSOR C. E. A. WINSLOW. <i>Crowther on Molecular Physics:</i> PROFESSOR R. A. MILLIKAN	710
<i>Special Articles:—</i>	
<i>Milk Epidemics of Septic Sore Throat and their Relation to Streptococci:</i> DR. DAVID JOHN DAVIS. <i>The Artificial Fertilization of Queen Bees:</i> FRANCIS JAGER AND C. W. HOWARD	7

Students of Michigan: From farm, village and city, from every state in the union, from every continent in the world, you have come to spend here from four to six years in the formative period of your lives. Why are you here? What has impelled you to leave your homes and come to this small city? While Ann Arbor is a pleasant place in which to reside, there are many other cities, both larger and smaller, more attractively located. We have no inspiring view of ocean, no picturesque lake, no majestic river, no towering mountain peaks, no vine-clad hills, no broad valleys, no historic associations, no ruined castles. Ann Arbor is a commonplace town, pleasant enough in its way, but without the material attractions of which a hundred other places may boast. What is the loadstone that has drawn you from near and from afar? It is the university. What is the university, why does it exist and what is your purpose in coming to it? Some universities have been founded to perpetuate theological creeds, some to serve as monuments to men of wealth and power, but neither of these motives actuated the founders of this university. It had its inception in the wisdom of the early settlers of this state, it has been and is maintained by the labors of their descendants. The rich and the poor contribute to its support. Many of the former send their sons and daughters to more aristocratic institutions and many of the latter are not able to send their children to any university, but all pay in proportion to their means to the support of this institution. What justifies the people of this state in imposing upon themselves the burden of taxation necessary to sustain this university? The total fees paid by

MSS. intended for publication and books, etc., intended for review should be sent to Professor J. McKeen Cattell, Garrison-on-Hudson, N. Y.

¹ A popular lecture to the students of Michigan University on Convocation Day, October 16, 1914.